

## NOVO Series

*Small enough*

*Tough enough*

*Powerful enough*

*To Go Anywhere...*

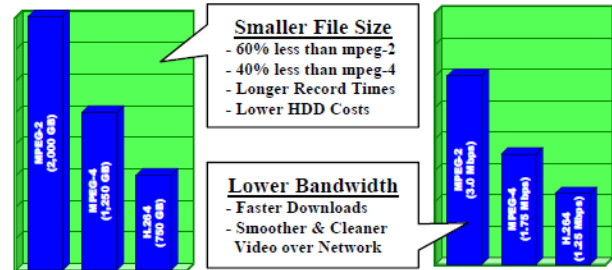


## Features

- Standardized Programming**  
The 4 **NOVO** Series models, 1 and 4 channels, with SD Card or SATA HDD share the same base software as our embedded DVR devices.
- Standardized Compression**  
All WECU Surveillance.com's systems support industry leading H.264 compression.
- Reliable Operation**  
Reliable and Robust Embedded RTOS (Real-time Operating System) firmware. Hardware MTBF 50,000 hours.
- Full Motion Recording**  
Each channel can record between 1/16th – 30 (NTSC) frames per second per channel.
- Remote Software**  
All WECU Surveillance.com's encoding and recording systems (over 100) share a common PC-Based remote client software enabling unlimited expandability, with easy to learn and use Hybrid DVR/NVR Server Software.
- Multiple Record Modes**  
The **NOVO** Series supports multiple record modes with the remote DVR/NVR software including: schedule recording, manual recording, motion detection recording, external alarm recording, motion.
- Multiple PTZ Protocol Support**  
The **NOVO** Series supports over 50 different PTZ Camera protocols.
- Simple control**  
The **NOVO** Series supports control via several methods. Users can control and configure the unit via the built-in web server via Internet explorer or the via the CONCERT remote client software.
- Unmatched Configurability**  
Designed for the video professional, the **NOVO** is unlike any other H.264 encoder on the market. Allowing modification of the compression codec itself by the end user, the **NOVO** can be configured to stream quality video within bandwidth limitations as low as 32kbps.

## NOVO Series

- ✓ 1 Channel -SD– 1 Video / 1 Audio
- ✓ 4 Channel -SD– 4 Video / 4 Audio
- ✓ 1 Channel -SATA– 1 Video / 1 Audio
- ✓ 4 Channel -SATA– 4 Video / 4 Audio










## Overview

**WECU Surveillance.com** offers a range of H.264 Embedded Digital Video IP Encoders (4 models). The 4 **NOVO** Series models support up to 4 channels of full motion video recording with perfectly synchronized audio on all channels.

The **NOVO** IP Encoders provide a range of models with industry leading H.264 recording in all resolutions from 4CIF, DCIF, 2CIF, CIF or QCIF resolution. The **NOVO** Series is suitable for all surveillance applications where high resolutions and/or where large storage capacity is required. Hundreds or thousands of IP Encoders can be connected to any industry standard cameras with our Concert Remote **CONCERT™** Software.

**Models**

VSEN0020		
VSEN0019	 Front	 Back
VSEN0021	 Front	 Back
VSEN0022	 Front	 Back

### Specifications

Features	VSEN0020	VSEN0021	VSEN0019	VSEN0022
Audio compression	OggVorbis, 16kbps			
Audio input	1	1	4	4
Audio Input connection	1 x 1/8" (2Vp-p, 1kΩ)	BNC (2.0Vp-p, 1kΩ)		
Audio Output Aux	1 x 1/8" (600 Ω)			
Bit rate	32kbps-2Mbps typical (User defined), Max 8mbps			
Communication interface	1 RJ45 10M/100M UTP network port, 1 RJ45 RS-232 port, 1 RJ45 RS-485 port			
Compression Format	NTSC/PAL			
Compress resolution main stream	PAL: 704*576(4CIF) NTSC: 704*480(4CIF) PAL: 704*288(2CIF) NTSC: 704*240(2CIF) PAL: 528*432(DCIF) NTSC: 528*360(DCIF) PAL: 352*288(CIF) NTSC: 352*240(CIF) PAL: 176*144(QCIF) NTSC: 176*120(QCIF)			
Compress resolution sub stream	PAL: 352*288(CIF) NTSC: 352*240(CIF) PAL: 176*144(QCIF) NTSC: 176*120(QCIF)			
External alarm input	1 input		4 input	
Frame rate (main and sub streams)	All Resolution 1/16-30fps (NTSC), 1/16th-25FPS(PAL)		4CIF, DCIF, 2CIF - 1/16th-4fps for 4-channels CIF/QCIF - 1/16th-25fps(PAL), 1/16th-30fps(NTSC)	
Power consumption	4W	≤40W	≤20W	≤40W
Power supply	12VDC		110-220VAC	
Relay output	1 output		2 output	
Size (mm)	70*120*55	78*350*222	39*198*123	78*350*222
Storage Type	SD Card	3.5" SATA	SD Card	3.5" SATA
Storage Capacity	32GB Max	2000GB Max	32GB Max	2000GB Max
Stream type	Video stream or Video & Audio stream			
Two-way audio input	Shared with Audio Input	RCA (2.0Vp-p, 1kΩ)	1 x 1/8" (2Vp-p, 1kΩ)	RCA (2.0Vp-p, 1kΩ)
Working humidity	10%--90%			
Video compression	H.264			
Video input	1 channels BNC (1.0Vp-p, 75Ω)		4 channels BNC (1.0Vp-p, 75Ω)	
Weight	500g	5Kg	1Kg	5Kg
Working temperature	-10C to 55C			